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मानक

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IS 15417-1 (2003): Textile Machinery and Accessories - Reeds, Part 1: Metal Reeds with Double-Spring Baulk - Dimensions and Designation [TXD 14: Machinery for Fabric Manufacture]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

वस्त्रादि मशीनरी और उपसाधन — रीड

भाग 1 डबल-स्प्रिंग बॉल्क के साथ धातु रीड — आयाम और अभिनाम

Indian Standard

**TEXTILE MACHINERY AND
ACCESSORIES — REEDS**

**PART 1 METAL REEDS WITH DOUBLE-SPRING BAULK —
DIMENSIONS AND DESIGNATION**

ICS 59.120.30

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NATIONAL FOREWORD

This Indian Standard (Part 1) which is identical with ISO 366-3 : 1988 'Textile machinery and accessories — Reeds — Part 3 : Metal reeds with double-spring baulk — Dimensions and designation' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards after the draft finalized by the Machinery for Fabric Manufacture Sectional Committee (TX 14) had been approved by the Textile Division Council.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The other part of this Indian Standard is as under :

IS 15417 (Part 2) : 2003 'Textiles machinery and accessories — Reeds — Part 2 : Plastic bound metal reeds — Dimensions and designation'

In this adopted standard reference appears to the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place, is listed below along with its degree of equivalence for the edition indicated. However, that International Standard cross-referred in this adopted ISO Standard, which has subsequently been revised, position in respect of that latest ISO Standard has been given:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 9473 : 1988 Textile machinery and accessories — Strip steel for dents of reeds	IS 8566 : 1977 Specification for steel wire for reeds	Not equivalent but related

The Sectional Committee responsible for the preparation of this standard will review the provisions of ISO 9473 and will decide if these are acceptable for use in conjunction with the standard.

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical values (revised)'.

Indian Standard

TEXTILE MACHINERY AND ACCESSORIES — REEDS

PART 1 METAL REEDS WITH DOUBLE-SPRING BAULK — DIMENSIONS AND DESIGNATION

0 Introduction

ISO 366 on reeds for use in the textile industry comprises the following three parts:

Part 1: Pitch bound reeds — Dimensions.

Part 2: Metal reeds with plate baulk — Dimensions and designation.

Part 3: Metal reeds with double-spring baulk — Dimensions and designation. (This part of ISO 366.)

1 Scope and field of application

This part of ISO 366 specifies the dimensions and designation of metal reeds with double-spring baulk for use in the textile industry.

The strip steel used in the manufacture of dents of reeds is the subject of ISO 9473.

2 Reference

ISO 9473, *Textile machinery and accessories — Strip steel for dents of reeds*.

3 Dimensions

The dimensions of metal reeds with double-spring baulk are shown on the figure and are given in the table.

4 Designation

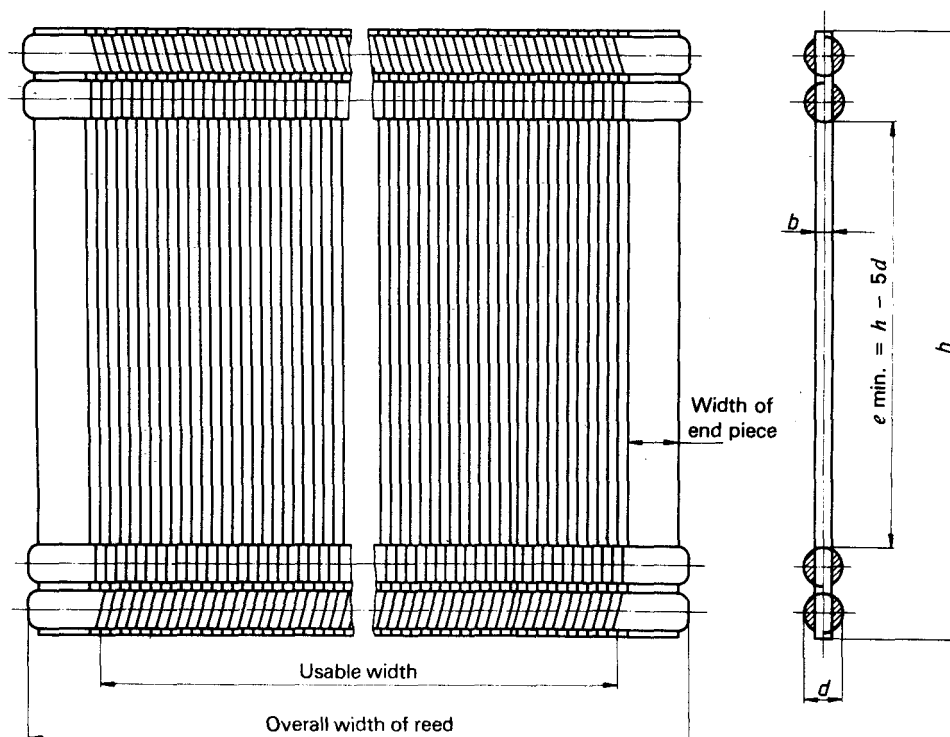
The designation of a metal reed with double-spring baulk shall include the following information in the order given:

- "Metal reed with double-spring baulk";
- reference to this part of ISO 366, i.e. ISO 366-3;
- the overall depth of the reed (h);
- the thickness of the reed baulk (d);
- the width of the dents of the reed (b);
- the type of steel used for the dents of the reed, in accordance with ISO 9473, i.e. plain or stainless.

Example:

A metal reed with double-spring baulk of overall depth $h = 150$ mm, of thickness of reed baulk $d = 8$ mm, and having dents of width $b = 4$ mm, made of stainless steel, shall be designated as follows:

**Metal reed with double-spring baulk ISO 366-3
150 × 8 × 4 stainless**



b = width of dents of reed

d = thickness of reed baulk (approximate value, depends on the thickness or diameter of the wire)

e = inside depth of reed

h = overall depth of reed

Figure — Metal reed with double-spring baulk

Table — Dimensions

Dimensions in millimetres

$h \backslash b^{1)}$	d			
	3	4	(5)	6
	6,5	8	(9)	10
110	X	X	X	X
120	X	X	X	X
130	X	X	X	X
140	X	X	X	X
150	X	X	X	X
160		X	X	X

1) In accordance with ISO 9473.

NOTE — The values in parentheses should be avoided wherever possible.

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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